

CLAIMS

1. Method of packaging one or more products in suspension in a thermoformed shell, characterized in that it consists in producing a stand-alone subassembly (SE) incorporating a support frame (5), accommodating a stretch film (6), said film allowing one or more products (1) to be suspended, and a lid (3) positioned over said support frame and bearing, by means of its lower surface, in a point-like manner on the product or products centered on said film, and in that said subassembly is positioned on a thermoformed tray accommodating, on its upper face, a closure in the form of a film for purposes of sealing.

2. Method according to Claim 1 of packaging one or more products in suspension in a tray in the form of a thermoformed shell, characterized in that it implements the following phases:

- a thermoformed support frame (5) which is open at its center (5.a) is used in order to position a stretch plastic film (6), the film bearing on the upper peripheral border (5.a) of the frame, thereby being fastened to the latter,
- said support frame is positioned on a matrix (8) having enough depth to allow the downward deformation of the film by means of the action of an evacuating source,
- evacuation is carried out dragging the film downward with deformation by stretching,
- the product or products (1) to be packaged are positioned on the stretch film (6) and a vertical bearing and pressing effect is exerted by a means (9) coming into contact with the product or products,
- all or part of the evacuating operation is stopped, allowing the partial rise of the stretch film while at the same time bearing and pressing on the product or products, allowing partial retraction of the stretch film in order to ensure said product or

products are covered by the film beyond its or their widest part,

- the vertical pressing force is stopped, allowing the stretch film and the product or products to rise
5 and additional covering of the latter, the product or products being suspended,

- the lid (3) is positioned on the support frame, thereby bearing on the upper plane of the product or products,

10 - the support frame with the film and the product or products constituting the subassembly (SE) are transferred to a tray forming a thermoformed shell of the packaging and the closure film is deposited on the upper face of the tray.

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3. Packaging for a product suspended on a stretch film, said film being secured to the peripheral edge of the shell-shaped tray of the packaging, characterized in that it comprises at least one tray in the form of a
20 thermoformed shell (2) having a flat and horizontal inner peripheral flange, internally allowing the positioning of a stand-alone subassembly (SE) including a profiled support frame (5) which is open in its center (5.c) on which a stretch and shrink film (6) is
25 positioned, fastened to said support frame and allowing at least one product (1) to be suspended, said stretch and shrink film surrounding the product or products beyond their widest region, said subassembly including a lid (3) placed on its lower face in order to
30 accommodate a packing (3.b) capable of bearing, without damage, on the upper part of the product or products (1).

4. Packaging according to Claim 3, characterized in
35 that it comprises several shell-shaped trays (2 - 4) shaped to match said stepped bearing regions and to be positioned one in the other depending on the level of fragility of the product or products contained,

and in that the lower tray accommodates the subassembly (SE) for suspending the product or products.

5. Packaging according to either of Claims 3 and 4,
5 characterized in that the upper face of the tray or trays accommodates a closure and sealing film (10 - 11),

and in that the upper face of the lid is in a plane below the upper plane of said trays.

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6. Packaging according to any one of the preceding claims, obtained according to the method of Claims 1 and 2, characterized in that the stretch film (6) is made of polyurethane, polyethylene or the like.

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7. Packaging according to any one of the preceding claims, obtained according to the method of Claims 1 or 2, characterized in its application to packaging medical prostheses.